

Docket No.: IBM/BU9-98-187  
CBLH/21806-00050-US1  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

---

In re Patent Application of:  
Arne W. Ballantine, et al.

Application No.: Not Yet Assigned

Confirmation No.:

Filed: Concurrently Herewith

Art Unit: N/A

For: DISCONTINUOUS DIELECTRIC  
INTERFACE FOR BIPOLAR  
TRANSISTORS

---

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

A copy of each reference on PTO/SB/08 not attached.

Those patent(s) or publication(s) which are marked with an asterisk (\*) next to the Cite No. in the attached form PTO/SB/08 (facsimile) are not supplied because they were previously cited by or submitted to the Office in a prior application number 09/244,958, filed

Application No.: Not Yet Assigned

Docket No.: IBM/BU9-98-187  
CBLH/21806-00050-US1

February 4, 1999 and relied upon in this application for an earlier filing date under 35 U.S.C. 120.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 22-0185, under Order No. 21806-00050-US1. A duplicate copy of this paper is enclosed.

Dated: September 3, 2003

Respectfully submitted,

By 

John A. Evans

Registration No.: 44,100  
CONNOLLY BOVE LODGE & HUTZ LLP  
1990 M Street, N.W., Suite 800  
Washington, DC 20036-3425  
(202) 331-7111  
(202) 293-6229 (Fax)  
Attorney for Applicant

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	TBA
				Filing Date	TBA
				First Named Inventor	Arne W. Ballantine et al.
				Art Unit	TBA
				Examiner Name	TBA
Sheet	1	of	1	Attorney Docket Number	IBM/BU9-98-187 CBLH/21806-00050-US1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA*	6,228,693	05/2001	Mackawa et al.	
	AB*	5723895	03/1998	Takahashi	
	AC*	09/165,946	10/02/98		Specification
	AD*	5,827,769	10/1998	Aminzadeh et al.	
	AE*	5,789,310	08/04/98	Pramanick et al.	
	AF*	5,763,922	06/09/98	Chau	
	AG*	5,759,904	06/02/98	Dearnaley	
	AH*	5,744,399	04/28/98	Rostoker et al.	
	AI*	5,736,425	04/07/98	Smith et al.	
	AJ*	5,723,368	03/03/98	Cho et al.	
	AK*	5,620,910	04/15/97	Teramoto	
	AL*	5,587,344	12/24/96	Ishikawa	
	AM*	5,468,974	11/21/95	Aronowitz et al.	
	AN*	5,260,236	11/09/93	Petro	
	AO*	4,992,303	02/12/91	Hochberg et al.	
	AP*	4,363,868	12/14/82	Takasaki et al.	
	AQ*	3,765,935	10/16/73	Rand et al.	
	AR*	3,709,726	01/09/73	R. Nuttall	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BA*	JP-10-083995	03-31-1998		Abstract Only	
	BB*	JP-02-265246	10-30-1990		Abstract Only	
	BC*	JP-01-160051	06-22-1989		Abstract Only	
	BD*	JP-04-152533	05-26-1992		Abstract Only	
	BE*	JP-10-335716	12-18-1998		Abstract Only	
	BF*	JP-08-316476	11-29-1996		Abstract Only	
	BG*	JP-64-017444	01-20-1989		Abstract Only	
	BH*	JP-59-220969	12-12-1984		Abstract Only	
	BI*	JP-70-94503	04/07/1995		Abstract Only	
	BJ*	JP-04-321231	11-11-1992		Abstract Only	
	BK*	JP-04-014837	01-20-1992		Abstract Only	
	BL*	JP-03-250737	11-08-1991		Abstract Only	
	BM*	JP-63-289867	11/28/1988		Abstract Only	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

<div>Substitute for form 1449/PTO</div> <div>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</div> <div>(use as many sheets as necessary)</div>				Complete if Known	
				Application Number	TBA
				Filing Date	TBA
				First Named Inventor	Arne W. Ballantine et al.
				Art Unit	TBA
				Examiner Name	TBA
Sheet	2	of	1	Attorney Docket Number	IBM/BU9-98-187 CBLH/21806-00050-US1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--